

0981875 080704

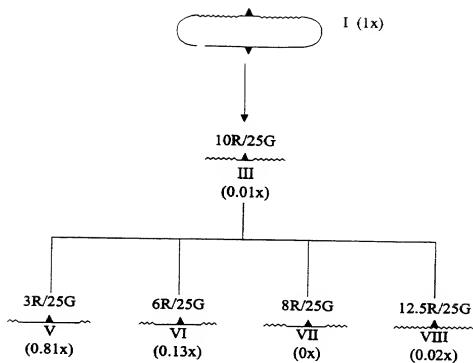


Figure 1A

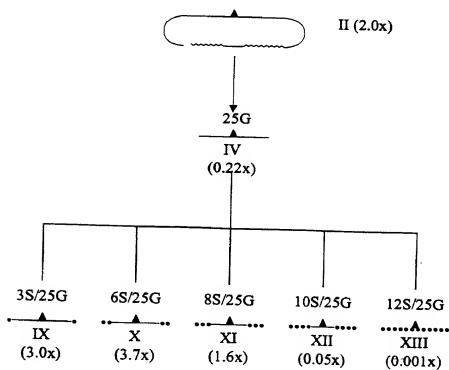
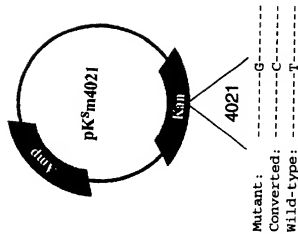
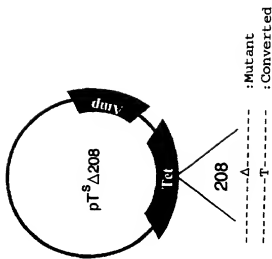
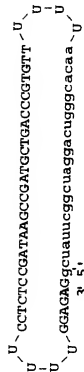


Figure 1B

Plasmids, DNA targets and chimeric oligonucleotides



KanGG



TelΔ208T

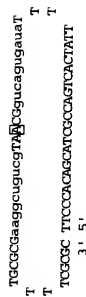
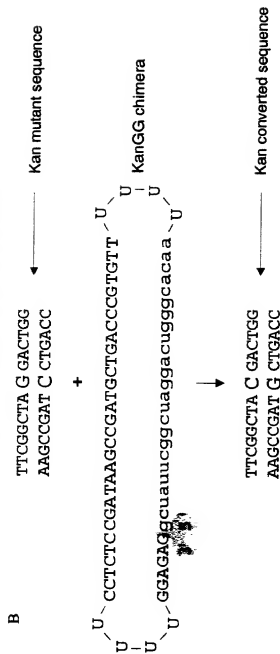


Figure 1C



# DNA SEQUENCE ANALYSES

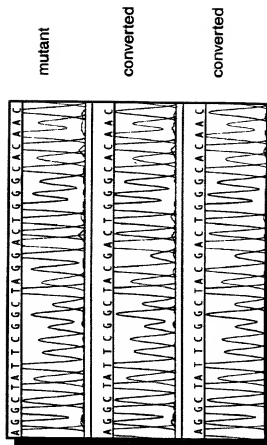


Figure 1D

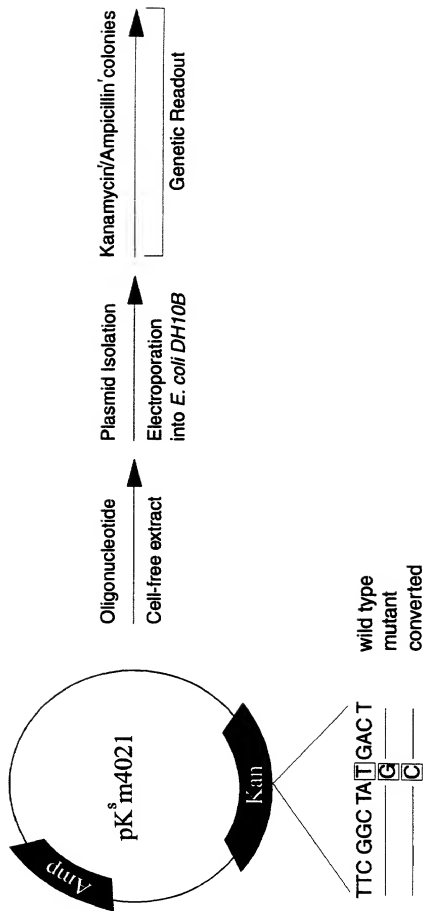
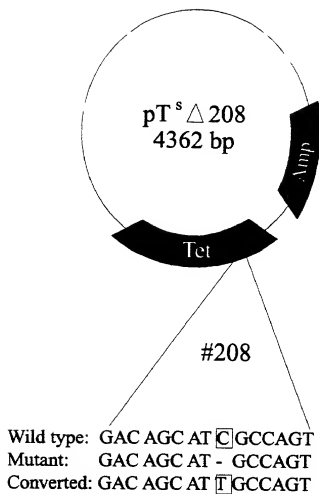


Figure 2



### Sequence analysis of Tet<sup>r</sup> plasmid Δ208

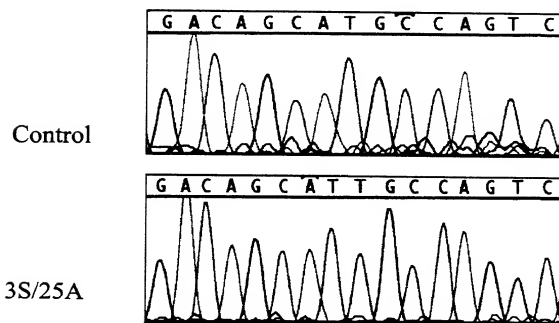


Figure 3

# DNA sequence analysis of Kan<sup>r</sup> plasmids

Target codon distribution					
oligomer	TAG	TAC	TACTAG	TGG	TCG
1) 3S/25G (20)	----	+	---	---	---
2) 6S/25G (20)	----	+	---	---	---
3) 8S/25G (20)	----	+	---	---	---
4) 10S/25G (18)	----	+	---	+(2)	+(2)
5) 25S/25G (4)	---	---	+(2)	+(2)	---

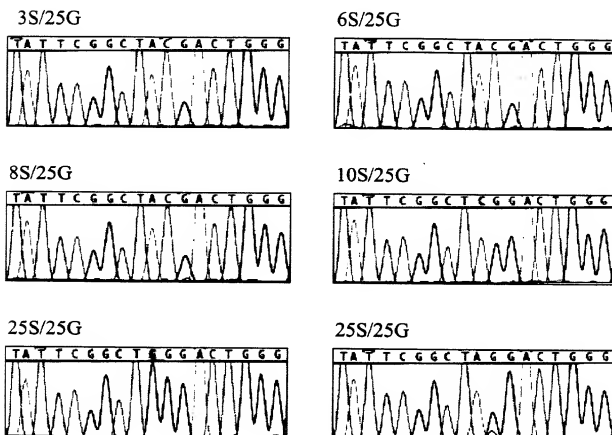


Figure 4

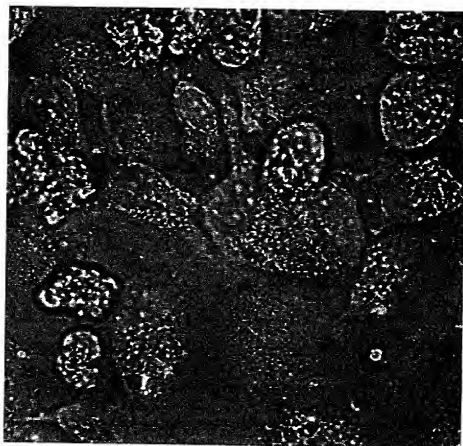


Figure 5

0581875-080701



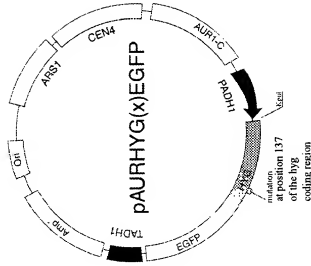
Figure 6



102080-52681860

Sequence of normal allele: GTGGATATGTCCT  
 Target/existing mutant: GTGGATAATGTCCT  
 Desired alteration: GTGGATACGTCCT

Figure 7A



Sequence of normal allele: GTGGATATGTCCT  
 Target/existing mutant: GTGGATAGGTCCT  
 Desired alteration: GTGGATACGTCCT

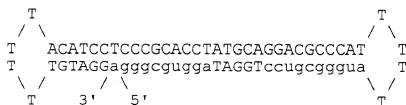
Figure 7B

HygE3T/25: 5'-AGG GCG TGG ATA CGT CCT GCG GGT A-3'

HygE3T/74: 5'-CTC GTG CTT TCA GCT TCG ATG TAG GAG GGC  
GTG GAT ACG TCC TGC GGG TAA ATA GCT GCG  
CCG ATG GTT TCT AC-3'

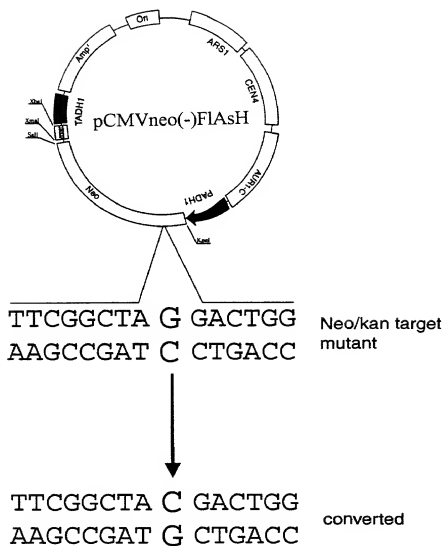
HygE3T/74α: 5'-GTA GAA ACC ATC GGC GCA GCT ATT TAC CCG  
CAG GAC GTA TCC ACG CCC TCC TAC ATC GAA  
GCT GAA AGC ACG AG-3'

HygGG/Rev:



Kan70T: 5'-CAT CAG AGC AGC CAA TTG TCT GTT GTG CCC AGT  
CGT AGC CGA ATA GCC TCT CCA CCC AAG CGG CCG GAG  
A-3'

Figure 8



# FUSION GENE FOR LIGAND BINDING

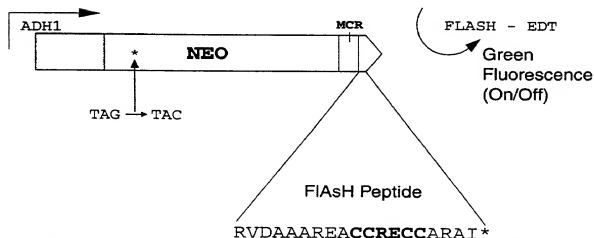


Figure 9

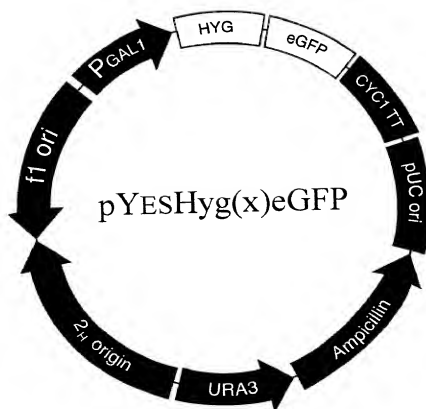


Figure 10